

No 11

5579

5564.

Last H. No. 4933

2.7.1
- 9.1
- 9.1

Dredge } No. 5519 Date, August 9, 1909
Hydrog. }

Sdg. Mch. Lucas Reel Lucas Shot/Lead 35 lbs.

Turns 162 Cor'n — Depth 162 fms.

Sdg. Cup Sigbee Amt. Bot'm Sample 3 1/2 oz.

Character of Bottom glob. S.

Thermom. { Make U. S. Cor'n { Instr. -1.7
 { No. 100515- { Stem.

Bottom Reading 55-0 Cor'd Temp. 54.3

Temp. Surf. { 85.0 Time 1:45 } Air { 83.0
 { Time {

Density: Surf. — fms.

Wind: Direction Various Force 3

Baromet. 29.70 Amt. of Clouds 5 State of Sea S

Weather bcg.

Direction and Force of Current { Surface
 { Bottom

Tide —

General Locality Mt. Silla, Mind. Is. M.; Sulu Id.

(M.) N. 55° W.; Off Mind. S.E. of Negros

Position 8° 47' 00" N. 123° 31' 15" E.

Chart used: No. 4723 Ed'n —

Drift: Direction S 14° E. Distance 1.6 mi.

Depth of Haul bottom

Apparatus and Rig used As before.

Time towing h. 43 m.

Remarks:

Deck Officer Mr. Hazard Recorder C. B. DeLong

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
P.M. DOWN.	UP.	P.M.		P.M. DOWN.	UP.	P.M.
1 36 30	1 41 00		0	1 44 40	2 48 15	
37 25	40 05		100	48 30	45 20	
1 38 10	1 39 10	162	200	51 50	42 25	
			300	55 20	39 30	
			315-400	1 56 00	2 39 00	
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Tagolo St

St 871 (W)
8.7 m

Dredge } No. 5520 Date, Aug. 10th, 1909
Hydrog.

Sdg. Mch. Lucas Reel L. Shot/Lead 35 lbs.

Turns Cor'n Depth 102 fms.

Sdg. Cup Sigbee Amt. Bot'm Sample None

Character of Bottom No sample

Thermom. { Make N. 2 Cor'n { Instr. 7
No. 108015 Stem.

Bottom Reading 62° Cor'd Temp. 64.3

Temp. Surf. { 84 Time 6:00 A } Air { 78.2
84 Time 6:40 A } 79

Density: Surf. fms.

Wind: Direction South Force 1-2 m.

Baromet. 29.95 Amt. of Clouds 3 State of Sea S.

Weather bz

Direction and Force of Current { Surface
Bottom

Tide

General Locality N. of Mindanao. SE of Negros.

Tigolo Pt. Mindanao. N. 48 E Bigby Id. 10

Position Lat. 8° 41' 15" Long 123° 18' 30"

Chart used: No. 4723 Ed'n

Drift: Direction N. 13 E Distance 1.3 m.

Depth of Haul Bottom

Apparatus and Rig used 12' Tanner, 2 glass

floats, 2 wing weights, 1 tail

weight.

Time towing h. 24³⁰ m.

Remarks: After towing 94 min. increased the depth

of haul from 175 fms to 204 fms.

Deck Officer Mr. Johnson Recorder H.W. Crider

SOUNDING WIRE.

FMS.

DREDGING CABLE.

A. M. Down.			Up.	A. M.			A. M. Down.			Up.	A. M.		
6	01	00	6	03	45		6	07	00	6	46	40	
	01	50		02	55			11	30		43	25	
6	01	52	6	02	52	102-200	6	14	15		40	30	
						204-300	6	19	40	6	40	10	
						400							
						500							
						600							
						700							
						800							
						900							
						1000							
						1100							
						1200							
						1300							
						1400							
						1500							
						1600							
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						2100							
						2200							
						2300							
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						2500							
						2600							
						2700							
						2800							
						2900							
						3000							
						3100							
						3200							
						3300							
						3400							
						3500							
						3600							
						3700							
						3800							
						3900							
						4000							
						4100							
						4200							
						4300							
						4400							
						4500							
						4600							
						4700							
						4800							
						4900							

N. 58 W.

Tugdo Pt N 48 E
4.5 m

✓

Dredge } No. 5521 Date, Aug. 10th, 1909
Hydrog. }
Sdg. Mch. Lucas Reel L Shot/Lead 35 lbs.
Turns — Cor'n — Depth 221 fms.
Sdg. Cup Sigsbee Amt. Bot'm Sample Trace
Character of Bottom fine S

Thermom. { Make N.L. Cor'n { Instr. -7
 { No. 108015 { Stem. —

Bottom Reading 54 Cor'd Temp. 53.3

Temp. Surf. { 84 Time 7:30 A } Air { 80 1/2
 { 84 Time 7:55 A } { 80 1/2 ✓

Density: Surf. — fms. —

Wind: Direction North Force 1

Baromet. 29.96 Amt. of Clouds 4 State of Sea S.

Weather hazy.

Direction and Force of Current { Surface —
 { Bottom —

Tide —

General Locality N. Mindanao S of Negros
Sulu I. (N) N 27 E Alibay I (S)
Position 8° 47' N 123° 22' 30' E

Chart used: No. 4723 Ed'n —

Drift: Direction N 52 E Distance .9

Depth of Haul Bottom

Apparatus and Rig used As before.

Time towing h. 4¹⁰ m.

Remarks: Accumulator registered over
5 tons just before leaving in.
Lost whole apparatus and all
accessories.

Deck Officer Mr. Johnson Recorder H. W. Bridger
11-1023
F. H. H.

SOUNDING WIRE.

A. M. DOWN. UP. A. M.

7 22 00 7 27 10
 22 55 26 15
 23 55 25 30
 7 24 10 7 25 10

FMS.

0
 100
 200
 300
 400
 425 500
 600
 700
 800
 900
 1000
 1100
 1200
 1300
 1400
 1500
 1600
 1700
 1800
 1900
 2000
 2100
 2200
 2300
 2400
 2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000
 4100
 4200
 4300
 4400
 4500
 4600
 4700
 4800
 4900

DREDGING CABLE.

A. M. DOWN. UP. A. M.

7 29 50 8 09 30
 33 45 07 00
 37 45 04 20
 43 05 8 01 30
 49 05 56 00
 7 50 50 7 55 00

S 74 W

Tangle at 27

S, E

3 m

Dredge } No. 5522 Date, Aug. 10, 1909
Hydrog. }
Sdg. Mch. Lucas Reel L. Shot/Lead 35 lbs.
Turns 230 Cor'n - Depth 230 fms.
Sdg. Cup Sigbee Amt. Bot'm Sample 13.
Character of Bottom Glob.

Thermom. { Make N.B. Cor'n { Instr. - 7
No. 108015 Stem.

Bottom Reading 53° Cor'd Temp. 52.3

Temp. Surf. { 84° Time 9:58 a. Air { 81°
84° Time 10:16 a. 81.8°

Density: Surf. fms.

Wind: Direction SW Force 3

Baromet. 29.98 Amt. of Clouds 4 State of Sea S

Weather bz

Direction and Force of Current { Surface
Bottom

Tide

General Locality N of Mindanao, S of Negro.

Sikino I (W) N 48 W - Tagolo Pt. Mindanao, S 39 W

Position 8° 49' 00" N - 123° 26' 30" E

Chart used: No. 4723 Ed'n -

Drift: Direction S 79 E Distance 1.2 m

Depth of Haul Bottom

Apparatus and Rig used 12' Tanner trawl;
2 gh. floats, 3 wts.

Time towing - h. 18 m.

Remarks: Net fouled over beam.

Deck Officer Mr. Hazard Recorder A. H. L.

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 4723 Date, Aug 10, 1907
Hydrog. }

Sdg. Mch. _____ Reel _____ Shot }
Lead } lbs.

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm
Sample _____

Character of
Bottom _____

Thermom. { Make _____
No. _____

Cor'n { Instr. _____
Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 84° Time 10:49 a } Air { 81.5°
84° Time 11:06 }

Density: Surf. _____ fms. _____

Wind: Direction SW Force 3

Baromet. 29.97 Amt. of Clouds 3 State of Sea S

Weather bcz

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality Off Cape Cod, Mass.

Lat. 41° 15' N. Long. 70° 15' W.

Position 8° 45' N. 121° 15' W.

Chart used: No. 4723 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used 12' Trawl

Line; 2. m. net; 1. m. net

Time towing _____ h. 20 m.

Remarks: No. 1. 500 yds. Set vertical. 1
minute. 1. 500 yds. 1. 500 yds.

Deck Officer W. H. H. Recorder S. H. H.

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0	10 31 20	11 20 15	
			100	35 30	17 15	
			200	39 30	00 00	
			300	43 40	00 00	
			400	10 44 00	08 00	
			500	10 48 00	07 30	
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

11-1025

SOUNDING WIRE.

FMS.

DREDGING CABLE.

P.M. Down. Up. P.M.

P.M. Down. Up. P.M.

1 02 30 1 09 30

0

1 16 00 2

100

04 10

08 05

200

23 10

08 05

07 20

300

26 30

1 03 40

1 06 40

360 400

29 30

500

33 30

600

x 1 39 30

700

1 42 30

800

900

1000

x

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

5000

5100

5200

5300

5400

5500

5600

5700

5800

5900

6000

6100

6200

6300

6400

6500

6600

6700

6800

6900

7000

7100

7200

7300

7400

7500

7600

7700

7800

7900

8000

8100

8200

8300

8400

8500

8600

8700

8800

8900

9000

9100

9200

9300

9400

9500

9600

9700

9800

9900

10000

Bredge No. 10 Date, , 19

Sdg. Mch. 7 Reel Shot lbs.

Turns Cor'n Depth 400 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom gy. M.

Thermom. { Make No. Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position Lat 30

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks

Seventy four

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<u>#</u> M. Down.	Up.	<u>#</u> M.		<u>#</u> M. Down.	Up.	<u>#</u> M.
	4	49	10			
		48	20			
		47	35			
			300			
			400			
L	1	11	4			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 1 Date, 1909

Sdg. Mch. _____ Reel 1 Shot } _____ Lbs.
Lead _____

Turns _____ Cor'n _____ Depth 1105 fms.
Sdg. Cup _____ Int. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time _____ } Air { 82
 { 63 { _____ } 82

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 1-2

Baromet. 30.94 Amt. of Clouds 5 State of Sea _____

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality E.

Position 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Chart used: No. _____ Ed'n _____

Drift: Direction N. by E. Distance _____

Depth of Haul Bottom

Apparatus and Rig used 12'

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

11-1023

SOUNDING WIRE.

M. Down. Up. M.

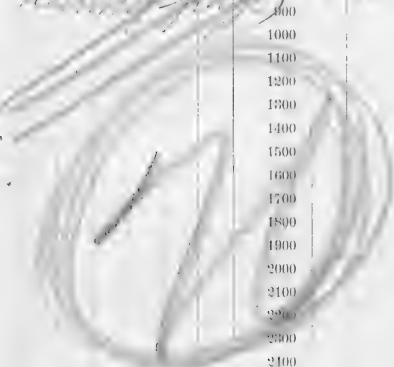
FMS.

DREDGING CABLE.

M. Down. Up. M.

0	8	02	45	9	10	10
100		06	30		12	00
200		09	35		09	10
300		11	12		26	10
400		11	12		11	20
500		19	10	9	00	20
600		22	10		57	40
700						
800		25	20	8	50	00
900						
1000						
1100						
1200						
1300						
1400						
1500						
1600						
1700						
1800						
1900						
2000						
2100						
2200						
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3500						
3600						
3700						
3800						
3900						
4000						
4100						
4200						
4300						
4400						
4500						
4600						
4700						
4800						
4900						

(*See page
reading page*)



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Dredge } No. 5526 Date, , 19

Sdg. Mch. Reel Shot & Lead lbs.

Turns Cor'n Depth 85 fms.

Sdg. Cup Amt. Bot'm Sample 202

Character of Bottom (Silt & mud)

Thermom. { Make 1.2 Cor'n { Instr. 7
No. 108015 Stem.

Bottom Reading 53 Cor'd Temp. 54.3

Temp. Surf. { 82 Time 9:40 A.
84 Time 11:00 A. Air {

Density: Surf. fms.

Wind: Direction South Force 3

Baromet. Amt. of Clouds 2 State of Sea

Weather bc.

Direction and Force of Current { Surface

Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance 1.8

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

11-1023

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down.	Up.	M.	FMS.	M. Down.	Up.	M.
		36 10	0	9	11-0	11 42 30
		38 10	100		43 05	39 45
		34 40	200			37 0
		34 00	300		51 40	
		33 20	400		56 35	31 30
			500	10	00 00	
		31 50	600		03 05	25 40
		31 00	700		06 10	
		30 05	800			
9		30 00	900		11 55	
			1000		15 10	13 30
			1100		17 55	
			1200			07 40
			1300		24	
			1400		27	01 50
			1500		30 35	
			1600		33 45	
			1700	10	2 10	
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 350 Date, June 1, 1902

Sdg. Mch. Lucas Reel Shot/Lead 15 lbs.

Turns 100 Cor'n --- Depth 100 fms.

Sdg. Cup --- Amt. Bot'm Sample ---

Character of Bottom Glob. Oz.

Thermom. { Make 71.3 No. 108015 Cor'n { Instr. --- Stem. ---

Bottom Reading 54° Cor'd Temp. 53.3°

Temp. Surf. { 34 Time 1:20 } Air { 92 Time 1:20 }

Density: Surf. --- fms. ---

Wind: Direction 77.7 Force 2

Baromet. 29.67 Amt. of Clouds 2 State of Sea ---

Weather ---

Direction and Force of Current { Surface --- Bottom ---

Tide ---

General Locality Pac. Ocean

Spec. No. 1000

Position 9° 12' N 120° 15' W

Chart used: No. 47 Ed'n ---

Drift: Direction S. 14° Distance 1.0

Depth of Haul Bottom

Apparatus and Rig used ---

Time towing --- h. 20 m.

Remarks: ---

Deck Officer --- Recorder ---

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down.	Up.	M.		M. Down.	Up.	M.
1 03 25	1 11 10		0	1 14 10	2 19 30	
			100			
			200			
			300			
			400			
7 20	1 08 00		500	3 05 55	0 55 00	
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
Casey G., N 14 W			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 508 Date, June 1, 1907

Sdg. Mch. Reel Shot Head lbs.

Turns Cor'n Depth 47 fms.

Sdg. Cup Amt. Bot'm Sample 2 1/2

Character of Bottom

Thermom. { Make No. Cor'n { Instr. Stem.

Bottom Reading 54.0 Cor'd Temp. 53.3

Temp. Surf. { Time Air {

Density: Surf. fms.

Wind: Direction West Force 3-4

Baromet. 29.81 Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. 4718 Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

02 20

1

12 45

0

16 00

02 15

1

12 15

100

15 45

02 10

1

12 10

200

15 30

02 05

1

12 05

300

15 15

02 00

1

12 00

400

15 00

01 55

1

11 55

500

14 45

01 50

1

11 50

600

14 30

01 45

1

11 45

700

14 15

01 40

1

11 40

800

14 00

01 35

1

11 35

900

01 30

1

11 30

1000

01 25

1

11 25

1100

01 20

1

11 20

1200

01 15

1

11 15

1300

01 10

1

11 10

1400

01 05

1

11 05

1500

01 00

1

11 00

1600

00 55

1

10 55

1700

00 50

1

10 50

1800

00 45

1

10 45

1900

00 40

1

10 40

2000

00 35

1

10 35

2100

00 30

1

10 30

2200

00 25

1

10 25

2300

00 20

1

10 20

2400

00 15

1

10 15

2500

00 10

1

10 10

2600

00 05

1

10 05

2700

00 00

1

10 00

2800

00 00

1

10 00

2900

00 00

1

10 00

3000

00 00

1

10 00

3100

00 00

1

10 00

3200

00 00

1

10 00

3300

00 00

1

10 00

3400

00 00

1

10 00

3500

00 00

1

10 00

3600

00 00

1

10 00

3700

00 00

1

10 00

3800

00 00

1

10 00

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10 00

4900

✓
Dredge } No. _____ Date, _____, 19____
Hydrog. }
Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.
Turns 441 Cor'n _____ Depth 441 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____
Thermom. { Make 23 Cor'n { Instr. -7
 { No. 105015 { Stem. _____
Bottom Reading 53.7° Cor'd Temp. 53.
Temp. Surf. { Time _____ } Air { _____
 { 85° Time _____ } 84.5°
Density: Surf. _____ fms. _____
Wind: Direction Variable Force 3
Baromet. 29.83 Amt. of Clouds 3 State of Sea 3
Weather bcy
Direction and Force of Current { Surface _____
 { Bottom _____
Tide _____
General Locality _____
Position 9° 11' 45" N. 120° 31' 30" E.
Chart used: No. 4718 Ed'n _____
Drift: Direction 17° E. Distance 1.6
Depth of Haul Bottom
Apparatus and Rig used Maatey & Livingston's deep net, 1 trawl
Time towing h. 13 m.

Remarks: _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
P.M. Down.	Up.	P.M.		P.M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
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			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 1111 Date, Dec 11, 1901
Hydrog }

Sdg. Mch. _____ Reel _____ Shot } _____ lbs.
Lead }

Turns 20 Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { _____ Time _____ } Air { _____
 { _____ Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction Variable Force 2-3

Baromet. _____ Amt. of Clouds 4 State of Sea _____

Weather Clear

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. 1111 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. Down.	Up.	M.		M. Down.	Up.	M.			
			0	7	12	45	7	25	40
			25-100	7	14	00	7	34	30
			200						
			300						
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
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			1600						
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			3900						
			4000						
			4100						
			4200						
			4300						
			4400						
			4500						
			4600						
			4700						
			4800						
			4900						

Dredge } No. 1 Date, 1904

Sdg. Mch. Reel Shot } Lead } lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No.

Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 84° Time 8:15 } Air { 83°

Density: Surf. fms.

Wind: Direction Variable Force 1-2

Baromet. 29.88 Amt. of Clouds 4 State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position Lat. 47° 27' 30" Long. 127° 31' 15"

Chart used: No. 4718 Ed'n

Drift: Direction Distance

Depth of Haul 100 fms

Apparatus and Rig used

Time towing 1 h. 28 m.

Remarks:

Deck Officer

Recorder

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0

7 48 00 8 18 25

~~100~~

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

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2200

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3400

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3600

3700

3800

3900

4000

4100

4200

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4900

Dredge { No. 3 Date, July 1, 1907

Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make W Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 84 Time 7:30 } Air { 84 }
Time 7:30

Density: Surf. _____ fms. _____

Wind: Direction N 1/2 E Force 1

Baromet. 30.1 Amt. of Clouds 5 State of Sea 1

Weather Clear

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality _____

Position 11° 30' N 71° 30' W

Chart used: No. 4718 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. 14 m.

Remarks: _____

Deck Officer W Recorder _____

SOUNDING WIRE.

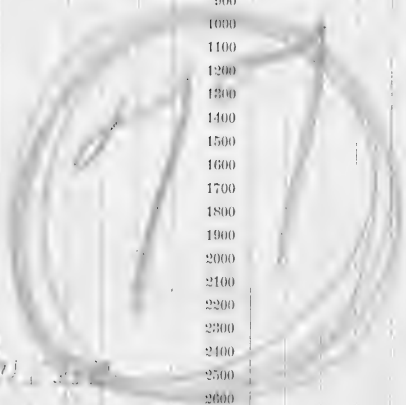
M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0	7	13	30	7	29	20
15 100	7	14	10	7	28	15
200						
300						
400						
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Handwritten note: 11.000 2500

Handwritten notes: 3300 3500 3600 3700

✓
Dredge } No. _____ Date, _____, 1904
Hydrog. }
Sdg. Mch. _____ Reel _____ Shot & Lead _____ lbs.
Turns _____ Cor'n _____ Depth _____ fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____
Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
Bottom Reading _____ Cor'd Temp. _____
Temp. Surf. { _____ Time _____ Air { _____
 { _____ Time _____ { _____
Density: Surf. _____ fms. _____
Wind: Direction _____ Force _____
Baromet. _____ Amt. of Clouds _____ State of Sea _____
Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n. _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. 23 m.

Remarks:

Deck Officer _____ Recorder _____

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

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 3 20 00
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 4900

78

78

78

78

Dredge } No. 4534 Date, , 19

Sdg. Mch. Lucas Reel Lucas Shot 25 lbs.

Turns 3 Cor'n Depth 333 fms.

Sdg. Cup Sigbee Amt. Bot'm Sample 1 ounce

Character of Bottom gy. glo. Mz.

Thermom. { Make L. G. Cor'n { Instr. 7
No. 108015 Stem.

Bottom Reading Cor'd Temp. 62.3

Temp. Surf. { 51.0 Time 8:35 Air { 62.0
53.0 Time 9:25 61.0

Density: Surf. fms.

Wind: Direction Various Force 0-1

Baromet. 29.94 Amt. of Clouds 4 State of Sea S.

Weather bcu

Direction and Force of Current { Surface
Bottom

Tide

General Locality (Mid) S. 25° W.;

Position 9° 26' 00" N; 123° 21' 37" W.

Chart used: No. 4718 Ed'n

Drift: Direction S. 65° W. Distance 1.8 miles

Depth of Haul 200 fms.

Apparatus and Rig used glass floats, 100 lb. weight.

Time towing 1 h. 5 1/2 m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. Down.	Up.		M. Down.	Up.
0	0	0	0	0
1	1	100	1	1
2	2	200	2	2
3	3	300	3	3
4	4	400	4	4
		500		
		600		
		700	8	8
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
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		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

✓

Dredge } No. _____ Date, _____, 19__
Hydrog. }

Sdg. Mch. Lucas Reel Lucas Shot 36 lbs.
Lead

Turns _____ Cor'n _____ Depth 310 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom gy. s. m.

Thermom. { Make W. G. Cor'n { Instr. -17
 { No. 105015 { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 87° Time 11:05 { Air { 84°
 { 84° Time 11:35 { { _____

Density: Surf. _____ fms. _____

Wind: Direction Variable Force _____

Baromet. 29.93 Amt. of Clouds 8 State of Sea S

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality San Pedro (Honduras) Bay, Central Am.
San Pedro City, Central Am.

Position 16° 45' N. 88° 15' W.

Chart used: No. 2500 Ed'n _____

Drift: Direction SE Distance 1.5 miles

Depth of Haul Bottom

Apparatus and Rig used As before

Time towing _____ h. _____ m.
Remarks: 11.6

Deck Officer _____ Recorder _____

SOUNDING WIRE.

M. Down. Up. M.

10	34	30	10	41	35
	35	30		40	45
	36	30		39	55
	37	30		38	55
10	37	40	10	38	40

FMS.

310

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

DREDGING CABLE.

M. Down. Up. M.

10	47	50	11	56	50
	51	35		30	10
	55	00		29	50
	58	55			
11	00	55			
	03	55		19	40
11	06	45	11	15	15

11-1023

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Dows. | Up. | M.

M. Dows. | Up. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

24 40

05 40

37 35

59 50

35 20

56 50

1 36 10

1 55 50

Dredge } No. _____ Date, _____, 19

Sdg. Mch. _____ Reel _____ Shot _____ lbs.

Turns _____ Cor'n _____ Depth 254 fms.

Sdg. Cup _____ Amt. Bot'm Sample 2

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. -17
 { No. _____ { Stem.

Bottom Reading _____ Cor'd Temp. 53.5

Temp. Surf. { Time _____ } Air {
 { Time 4 } {

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 1

Baromet. 30.12 Amt. of Clouds _____ State of Sea _____

Weather bc

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality B. S. Sigsbee

St. S. (W) S 47 E. Cor. Sigsbee Pt. Sigsbee

Position 61° 12' N. 73° 12' W.

Chart used: No. 1171 Ed'n _____

Drift: Direction S 75 W Distance 2.0 m.

Depth of Haul bottom

Apparatus and Rig used As before.

Time towing _____ h. _____ m.

Remarks:

Deck Officer Mr. F. R. Kane Recorder Armit

SOUNDING WIRE.

#	M. Down.	Up.	#	M.
	13	23		1
	14	25		1

FMS.

DREDGING CABLE.

#	M. Down.	Up.	#	M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge No. 54 Date, Aug 10, 1920

Sdg. Mch. Lucas Reel _____ Shot 1 lbs.

Turns _____ Cor'n _____ Depth 22 fms.

Sdg. Cup _____ Amt. Bot'm Sample 1

Character of Bottom gy. M. S.

Thermom. { Make 71.5 Cor'n { Instr. -1.7
No. 108015 Stem. _____

Bottom Reading 54° Cor'd Temp. 53.3

Temp. Surf. { 83° Time 5:21/p Air { 83°
82° Time 4:47/p 82°

Density: Surf. _____ fms. _____

Wind: Direction Variable Force 1

Baromet. 29.8 Amt. of Clouds 8 State of Sea 2

Weather bcn

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality Bot. Signet & Hayes

Station 14. 108015 - 108016

Position 9° 15' N. 122° 23' W.

Chart used: No. 5047 Ed'n _____

Drift: Direction S. 10° E. Distance 1.5

Depth of Haul 22

Apparatus and Rig used 12' beam trawl

3 Sinker

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer W. B. Ray Recorder W. B. Ray

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

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4000

4100

4200

4300

4400

4500

4600

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4900

09 15 51 30

2 00 4 00

7 3 20

Dredge } No. 5539 Date, Aug. 19, 1919

Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____
No. _____

Cor'n { Instr. _____
Stem. _____

Bottom Reading _____

Cor'd Temp. _____

Temp. Surf. { 83° Time 7:11 } Air { 83°
81° Time 7:20 } 81°

Density: Surf. _____ fms. _____

Wind: Direction Variable Force 1

Baromet. 29.89 Amt. of Clouds 4 State of Sea 2

Weather Clear

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality East. Saginaw & Huron

Position 47° 20' N. 117° 20' W.

✓ Position 9° 3' 20" N. 173° 25' 40" W.

Chart used: No. 4718 Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul. Surface

Apparatus and Rig used 10' Inter. & Conk.

Cone. (on surface net).

Time towing _____ h. 19 m.

Remarks: No. 5539.

Deck Officer Mr. Johnson Recorder Mr. Smith

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0	7	10	00	7	30	25
15	7	11	00	7	29	20
200						
300						
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Dredge } No. *554* Date, *Aug 16*, 19*07*

Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { *82°* Time *7:40 a* } Air { *82°*
 { *81°* Time *2:00 p* }

Density: Surf. _____ fms. _____

Wind: Direction *Force* _____

Baromet. *29.8* Amt. of Clouds *1* State of Sea *1*

Weather *fine*

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality *Off Sicily & S. of France*

Position *31° 3' 00" - 17° 24' 30" E.*

Chart used: No. *CS 4778* Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul *Surface*

Apparatus and Rig used *As before*

Time towing _____ h. _____ m.

Remarks: *No. 554*

Deck Officer *H. J. Johnson* Recorder *Frank*

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

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4700
4800
4900

7' 40.00 8' 40.00
7' 41.30 8' 41.30

Dredge } No. _____ Date, _____, 19____
Hydrog. }

Sdg. Mch. Lucas Reel _____ Shot/Lead _____ lbs.

Turns 219 Cor'n _____ Depth 219 fms.

Sdg. Cup Ligabre Amt. Bot'm Sample 1 oarwell

Character of Bottom fine S. brk sh

Thermom. { Make H. G. Cor'n { Instr. 77
No. 128015 Stem. _____

Bottom Reading 5-40 Cor'd Temp. 53.3

Temp. Surf. { 83.0 Time 5240 } Air { 61.0
82.0 Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction Variable Force 0-1

Baromet. _____ Amt. of Clouds 1 State of Sea _____

Weather _____

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality Line 2 (2) N. 80° W.; 4 miles
from entrance of Port of San Juan

Position 120° 30' 30" E.

Chart used: No. 4725 Ed'n _____

Drift: Direction 31.5 E. Distance 1.0 mi.

Depth of Haul bottom

Apparatus and Rig used 12' Tinsley's
floats, 2 wing weights, 1
weight.

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
5-23 00	5-28 00		0	5-33 00	6-23 40	
23 55	27 15		100	36 50	20 35	
24 50	26 30		200	40 50	17 40	
5-25 10	5-26 10	2-14 30	300	44 15	14 45	
			400	5-50 30	6-11 15	
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 211 Date, , 19 /

Sdg. Mch. Reel Shot/Lead lbs.

Turns 200 Cor'n Depth 200 fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample 1 drawn

Character of Bottom fine S. s. & sh.

Thermom. { Make M. G. Cor'n { Instr. - 7
No. 108015- Stem.

Bottom Reading 54.3 Cor'd Temp. 54.3

Temp. Surf. { 53° Time 6:46- } Air { 53°
53° Time 7:25- } 54°

Density: Surf. fms.

Wind: Direction Variable Force 0-1

Baromet. 30.1 Amt. of Clouds 2 State of Sea 0

Weather B

Direction and Force of Current { Surface
Bottom

Tide

General Locality Station 41 (10) 10 70' N. 10 10' W.

Position 1° 45' 30" N 122° 15' 30" E

Chart used: No. 4773 Ed'n

Drift: Direction 5° S. Distance 1.4 mi

Depth of Haul Bottom

Apparatus and Rig used As before

Time towing h. 2 m.

Remarks: 1 specimen of ...

1 specimen of ...

1 specimen of ...

1 specimen of ...

1 specimen of ...

1 specimen of ...

1 specimen of ...

1 specimen of ...

1 specimen of ...

1 specimen of ...

1 specimen of ...

1 specimen of ...

1 specimen of ...

SOUNDING WIRE.

Q. M. Down. Up. Q. M.

6 | 31 | 50 | 2 | 32 | 50

1 | 32 | 50 | 1 | 33 | 50

6 | 33 | 50 | 1 | 34 | 50

FMS.

DREDGING CABLE.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 1 Date, Aug. 20th, 1909

Sdg. Mch. Reel L. 7 Shot/Lead 35 lbs.

Turns Cor'n Depth 1 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make 27.6
No. 108015

Cor'n { Instr. 7
Stem.

Bottom Reading Cor'd Temp. 54.5

Temp. Surf. { Time Air 86.2

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds 6 State of Sea S

Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position 5 12 30 D

Chart used: No. CS 472 3 Ed'n

Drift: Direction S. 20 W Distance 0.7

Depth of Haul Bottom

Apparatus and Rig used 12' Tanned Trawl 3

Time towing h. m.

Remarks:

Deck Officer

Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
45	30	47	100	57	25	34
46	10	47	200	01	00	30
			300	04	00	20
			400			30
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Deck Officer _____ Recorder _____
11-1023

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

9/

2 1/2 5.00

Dredge } No. 10 Date, Aug 19, 1907
 Hydrog. }
 Sdg. Mch. Tanner Reel T Shot 10 lbs.
 Lead 10
 Turns 10 Cor'n 10 Depth 10 fms.
 Sdg. Cup 10 Amt. Bot'm Sample 10
 Character of Bottom 10
 Thermom. { Make 10 Cor'n { Instr. 10
 { No. 10 { Stem. 10
 Bottom Reading 10 Cor'd Temp. 10
 Temp. Surf. { Time 10 Air {
 { Time 10
 Density: Surf. 10 fms. 10
 Wind: Direction 10 Force 10
 Baromet. 10 Amt. of Clouds 10 State of Sea 10
 Weather 10
 Direction and Force of Current { Surface 10
 { Bottom 10
 Tide 10
 General Locality 10
 Position 10
 Chart used: No. 10 Ed'n 10
 Drift: Direction 10 Distance 10
 Depth of Haul 10
 Apparatus and Rig used 10
 Time towing 10 h. 10 m.
 Remarks 10

Deck Officer

Recorder

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down.

Up.

M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
9 24 40	9 29 30		0	9 32 50	10 08 40	
9 25 20	9 27 00		100	3 12 00	3 00 00	
9 26 40	9 26 00		200	3 00 00	2 50 00	
			270			
			300	9 40 50		
			320			
			400	9 43 00	9 56 50	
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. _____ Date, _____, 1907
Hydrog }

Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.

Turns 138 Cor'n _____ Depth 138 fms.

Sdg. Cup Liggett Amt. Bot'm Sample _____

Character of Bottom 1

Thermom. { Make _____ Cor'n { Instr. 7
 { No. _____ { Stem _____

Bottom Reading 15 Cor'd Temp. 56.3

Temp. Surf. { 62.0 Time 10:45
 { 82.0 Time 11:15 } Air { 64.0

Density: Surf. _____ fms. _____

Wind: Direction Various Force 0-2

Baromet. 29.50 Amt. of Clouds 9 State of Sea 2

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality off Cape Cod

Position 41° 12' N, 71° 12' W

Chart used: No. 4512 C.D. Ed'n _____

Drift: Direction drift Distance 1.2

Depth of Haul bot

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer Mr. Yahr Recorder _____

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

10 32 15 10 35 50
 33 10 35 00
 22 21 10 35 00

10 39 45 11 14 40
 44 00 16 50
 46 25 17 11

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

109

(8.1) 975-12

4.7

Dredge } No. 75 Date July 15, 1905
 Hydrog. }
 Sdg. Mch. Reel Shot } 6 lbs.
 Lead }
 Turns Cor'n Depth 136 fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom
 Thermom. { Make Cor'n { Instr.
 { No. { Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { Time { Air {
 { Time {
 Density: Surf. fms.
 Wind: Direction Force
 Baromet. Amt. of Clouds State of Sea
 Weather
 Direction and Force of Current { Surface
 { Bottom
 Tide
 General Locality
 Position
 Chart used: No. Ed'n
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used
 Time towing h. m.
 Remarks:

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down.

Up.

M.

M. Down.

Up.

M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. _____ Date, _____, 19__

Sdg. Mch. _____ Reel _____ Shot } lbs.

Turns 155 Cor'n _____ Depth 155 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom fine S.

Thermom. { Make N.Z. Cor'n { Instr. 17
 { No. _____ { Stem. _____

Bottom Reading 57° Cor'd Temp. 56.3

Temp. Surf. { Time 1 } Air {
 { Time 1 } {

Density: Surf. 1.02 fms. _____

Wind: Direction _____ Force _____

Baromet. 29.77 Amt. of Clouds 6 State of Sea _____

Weather b. c. s.

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position 114° 20' W. 34° 14' N.

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used 9'

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer W. J. A. Recorder _____

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

1 17 00 / 1 32 00
 30 00 / 32 00
 1 00 4 / 1 00 0

1 32 00 / 1 32 00
 1 32 00 / 1 32 00
 1 32 00 / 1 32 00
 1 32 00 / 1 32 00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

1 00 1 / 1 00 0

1 00 1 / 1 00 0

1 00 1 / 1 00 0

Dredge } No. 5719 Date, Sept 17, 1909
Hydrog. }

Subg. Mch. *Lucas* Reel *L* Shot *75* lbs.

Turns 232 Cor'n - Depth 232 fms.

Sdg. Cup *C. 10* Amt. Bot'm Sample *7/2*

Character of Bottom *C. G. C.*

(Make 113 (Instr. -7

Thermom. No. 108015. Cor'n Stem.

Bottom Reading 54.7 Cor'd Temp. 53.5

Temp. Surf. { 82° Time 8:22 } Air { 82°
77° Time 8:50 } 82°

Density: Surf. _____ fms. _____

Wind: Direction Variable Force 1

Baromet.	29.87	Amt. of Clouds	8	State of Sea	C
----------	-------	----------------	---	--------------	---

Weather None

Direction and Force of Current. $\left\{ \begin{array}{l} \text{Surface} \\ \text{Bottom} \end{array} \right.$

Title _____

General Locality *W. of John E.*

James M. H. Brown, Jr.

Position $5^{\circ} 00' 20''$ N - $120^{\circ} 47' 15''$ E.

Chart used: No. _____ Ed'n _____

Drift: Direction *N 30° E* Distance *1.5 mi*Depth of Haul BottomApparatus and Rig used *As shown in figure*

Chas. J. Smith

Time towing h. 29 $\frac{1}{2}$ m.

Remarks:

Deputy Officer _____ Recorder _____

SOUNDING WIRE.

DREDGING CABLE.

FMS.

M. Down. Up. M.

M. Down. Up. M.

7 2 00 7 57 30

0

8 0 30 8 22 30

2 00 7 57 30

100

0 5 00 8 22 30

2 00 7 57 30

200

0 5 00 8 22 30

7 57 30 7 57 30

300

0 5 00 8 22 30

7 57 30 7 57 30

400

18 00 8 22 30

7 57 30 7 57 30

450

18 00 8 22 30

7 57 30 7 57 30

600

18 00 8 22 30

7 57 30 7 57 30

700

7 57 30 7 57 30

800

7 57 30 7 57 30

900

7 57 30 7 57 30

1000

7 57 30 7 57 30

1100

7 57 30 7 57 30

1200

7 57 30 7 57 30

1300

7 57 30 7 57 30

1400

7 57 30 7 57 30

1500

7 57 30 7 57 30

1600

7 57 30 7 57 30

1700

7 57 30 7 57 30

1800

7 57 30 7 57 30

1900

7 57 30 7 57 30

2000

7 57 30 7 57 30

2100

7 57 30 7 57 30

2200

7 57 30 7 57 30

2300

7 57 30 7 57 30

2400

7 57 30 7 57 30

2500

7 57 30 7 57 30

2600

7 57 30 7 57 30

2700

7 57 30 7 57 30

2800

7 57 30 7 57 30

2900

7 57 30 7 57 30

3000

7 57 30 7 57 30

3100

7 57 30 7 57 30

3200

7 57 30 7 57 30

3300

7 57 30 7 57 30

3400

7 57 30 7 57 30

3500

7 57 30 7 57 30

3600

7 57 30 7 57 30

3700

7 57 30 7 57 30

3800

7 57 30 7 57 30

3900

7 57 30 7 57 30

4000

7 57 30 7 57 30

4100

7 57 30 7 57 30

4200

7 57 30 7 57 30

4300

7 57 30 7 57 30

4400

7 57 30 7 57 30

4500

7 57 30 7 57 30

4600

7 57 30 7 57 30

4700

7 57 30 7 57 30

4800

7 57 30 7 57 30

4900

7 57 30 7 57 30

Dredge } No. 5547. Date, Oct. 17, 1907

Sdg. Mch. Lucas Reel L Shot 35 lbs.

Turns 2 Cor'n — Depth 2.3 fms.

Sdg. Cup Sigbee Amt. Bot'm Sample 1/2

Character of Bottom C. Glob. For.

Thermom. { Make 77.5 Cor'n { Instr. 7.7
No. 108015 Stem.

Bottom Reading 53° Cor'd Temp. 52.3

Temp. Surf. { 83° Time 9:40 a. Air { 83°
Time 9:57 a.

Density: Surf. fms.

Wind: Direction 1 Force 1

Baromet. 29.70 Amt. of Clouds 8 State of Sea 2

Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 9' Tanner as to

Time towing — h. 20 m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

7. M. Down. Up. 11 M.

FMS.

DREDGING CABLE.

2. M. Down. Up. 7 M.

9 00 10 01 12 00

07 10 11 15

9 08 40 9 20 40 20

1 1 1 1

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

9 11 10 12 00

18 50 09 05

22 50 00 15

26 50 00 20

30 30 10 00 30

35 25 57 30

40 15 45 40

1 1 1 1

Dredge } No. 155 Date, Dec 17, 1907

Sdg. Mch. Reel Shot 35 lbs.

Turns 22 Cor'n Depth 2.7 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make 71.3 Cor'n { Instr. - 7
No. Stem.

Bottom Reading 530 Cor'd Temp. 52.3

Temp. Surf. { 82.0 Time 10:47 } Air { 82.0
82.0 Time 11:15 }

Density: Surf. fms.

Wind: Direction Variable Force 1

Baromet. 30.02 Amt. of Clouds 7 State of Sea 2

Weather Clear

Direction and Force of Current { Surface
Bottom

Tide

General Locality 7700 fms. S. of

Position 6° 02' 00" N - 120° 41' 40" W

Chart used: No. 4542 Ed'n

Drift: Direction 310° E Distance 1.2

Depth of Haul Bottom

Apparatus and Rig used 70 fms. line

Time towing - h. 28 m.

Remarks:

Deck Officer Mr. [Name] Recorder [Name]

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

10 17 50 10 24 00

10 24 00 11 30 10

12 00 22 00

27 00

14 00 22 00

20 00

10 20 20 10 21 20 25

38 40 27 00

400

18 00

500

15 00

520 00

10 40 10 11 14 00

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 4547 Date, Jan 1, 1906
Hydrog. }

Sdg. Mch. Lucas Reel Lucas Shot Lead 35 lbs.

Turns 193 Cor'n _____ Depth 193 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____
 { No. _____

Cor'n { Instr. _____
 { Stem. _____

Bottom Reading _____ Cor'd Temp. 52.3

Temp. Surf. { Time 1:35.6 } Air { 53.0
 { Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 2

Baromet. 30.02 Amt. of Clouds _____ State of Sea 6

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position 55 N.; 104 W.

Chart used: No. 4542 C.C. Ed'n _____

Drift: Direction S. 15° E. Distance 1.1 mi.

Depth of Haul _____

Apparatus and Rig used 9' L

Time towing _____ h. 20 m.

Remarks _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

M. Down. | Up. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 544 Date, 12, 19

Sdg. Mch. Reel Shot Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 3 Time 7 Air { 7

Density: Surf. fms.

Wind: Direction Force 2-3

Baromet. 29.85 Amt. of Clouds 10 State of Sea

Weather clear

Direction and Force of Current { Surface Strong Bottom

Tide yellow anchor changed at 8:45 am & 6:46 am

General Locality

Position

Chart used: No. Ed'n

Drift: Direction at anchor Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: Ship at anchor

Deck Officer Mr. J. R. L. Recorder

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

7 00 00

(200) 500

Dredge } No. _____ Date, _____, 19____

Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.

Turns 28 Cor'n _____ Depth 25 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom Co. & S.

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 84 Time 9:30 A } Air { 83
 { 84 Time 9:00 A }

Density: Surf. _____ fms. _____

Wind: Direction S. E. Force 3

Baromet. 30.7 Amt. of Clouds 1 State of Sea S

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: 1

Deck Officer _____ Recorder _____

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0	21	50	1	37	15
100	28	30	9	34	16
200					
300					
400					
500					
600					
700					
800					
900					
1000					
1100					
1200					
1300					
1400					
1500					
1600					
1700					
1800					
1900					
2000					
2100					
2200					
2300					
2400					
2500					
2600					
2700					
2800					
2900					
3000					
3100					
3200					
3300					
3400					
3500					
3600					
3700					
3800					
3900					
4000					
4100					
4200					
4300					
4400					
4500					
4600					
4700					
4800					
4900					

Pe

11—10V_{2.5}

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. _____ Date, _____ 19__
Hydrog. }
Sdg. Mch. _____ Reel _____ Shot _____ lbs.
Lead _____
Turns _____ Cor'n _____ Depth 14 1/2 fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 83 Time 11:35 A } Air { 83
 { _____ Time _____ } { _____

Density: Surf. _____ fms. _____

Wind: Direction _____ Force 3

Baromet. 27.7 Amt. of Clouds 5 State of Sea _____

Weather b. cz.

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul Bottom

Apparatus and Rig used As

Time towing _____ h. _____ m.

Remarks: _____

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

11	34	10	11	44	10
11	36	20	11	39	50

Pt. 7000 fms. N. 68 E.

(S.S.) S. 15 E.

1.6 m

Dredge } No. _____ Date, _____, 190__
Hydrog. }

Sdg. Mch.  Reel Shot/Lead 14 lbs.

Turns	—	Cor'n	—	Depth	12 — 14	fms.
-------	---	-------	---	-------	---------	------

Sdg. Cup ----- *Amt. Bot'm*
Sample -----

Character of Bottom S. Co.

<i>Thermom.</i>	{ <i>Make</i>	—	<i>Cor'n</i>	{ <i>Instr.</i>	—
	{ <i>No.</i>	—		{ <i>Stem.</i>	—

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { $\begin{matrix} 82^{\circ} \\ 82^{\circ} \end{matrix}$ Time { $\begin{matrix} 3: 45 \\ 3: 50 \end{matrix}$ } Air { $\begin{matrix} 82^{\circ} \\ 82^{\circ} \end{matrix}$ }

Density: Surf. fms.

Wind: Direction *Force*

Baromet. 29.50 . . . Amt. of Clouds 7 . . . State of Sea S . . .

Weather (22)

Direction and Force of Current. { Surface -----
 { Bottom -----

Tide

General Locality *Sierrita de San Juan, N.M.*

Tomalia, J. W.) S.Wt - Tubing, etc.

Position 055° 30' E - 121° 01' 00" E

Chart used: No. 4542 Ed'n -

Drift: Direction SW Distance 0-1 m

Depth of Haul 50.0m

Apparatus and Rig used 6 H₂O, 100°C, 1 atm

Time towing _____ h. _____ m.

Remarks:

Deck Officer / C. J. ... Recorder

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down.	Up.	M.		A. M. Down.	Up.	A. M.
			0	7 55	10 3	25 00
			100	7 58	10 3	03 00
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

122

25 15 15

3200 (A) 10 30
 3300 (A) 10 30
 3400 (A) 10 30
 3500 (A) 10 30
 3600 (A) 10 30
 3700 (A) 10 30
 3800 (A) 10 30
 3900 (A) 10 30
 4000 (A) 10 30
 4100 (A) 10 30
 4200 (A) 10 30
 4300 (A) 10 30
 4400 (A) 10 30
 4500 (A) 10 30
 4600 (A) 10 30
 4700 (A) 10 30
 4800 (A) 10 30
 4900 (A) 10 30

Dredge } No. 333 Date, Oct 1, 1903
Hydrog. }
Sdg. Mch. 333 Reel Shot/Lead 7 lbs.
Turns — Cor'n — Depth 14 1/2 fms.
Sdg. Cup — Amt. Bot'm Sample —
Character of Bottom Coral

Thermom. { Make — Cor'n { Instr. —
 { No. — { Stem. —
Bottom Reading — Cor'd Temp. —

Temp. Surf. { 82 Time 3:45 } Air { 85 }
 { 82 Time 4:15 }

Density: Surf. — fms. —
Wind: Direction SSE Force 2
Baromet. 30.11 Amt. of Clouds 7 State of Sea 1
Weather bc

Direction and Force of Current { Surface —
 { Bottom —

Tide —

General Locality South of S. L. A.
Towed by 7000 ft. South - Tubingen
Position 50° 12' 34" N 121° 00' 00" E

Chart used: No. 4542 Ed'n —
Drift: Direction S. 44° E Distance 0.4 m
Depth of Haul Bottom
Apparatus and Rig used As before

Time towing — h. 5 m.
Remarks:

Deck Officer Mr. J. A. ... Recorder
11-1023

SOUNDING WIRE.

M. Down. Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

5 5 10 7 20 10
5 7 5 5 22 10

(10) 10 10 10
10 10 10 10

Dredge } No. 10 Date, Sept 10, 19 07
Hydrog. }
Sdg. Mch. 10 Reel 1 Shot-
Lead 15 lbs.
Turns 1 Cor'n 1 Depth 15 fms.
Sdg. Cup 1 Amt. Bot'm
Sample 1
Character of
Bottom Co.

Thermom. { Make 1
No. 1 Cor'n { Instr. 1
Stem. 1

Bottom Reading 1 Cor'd Temp. 1

Temp. Surf. { 82° Time 1:15 } Air { 82°
82° Time 1:15 } 82°

Density: Surf. 1 fms. 1

Wind: Direction SE Force 2-1

Baromet. 29.9 Amt. of
Clouds 7 State of
Sea C

Weather 1

Direction and Force { Surface
of Current. { Bottom

Tide 1

General Locality Coast of N. B.

1000 S. 8° E. 1000

Position 50° 51' 15" N - 121° 00' 45" E

Chart used: No. 1 Ed'n 1

Drift: Direction SE Distance 0.6

Depth of Haul Bottom

Apparatus and Rig used 1

Time towing 1 h. 6 1/2 m.

Remarks:

Deck Officer 1 Recorder 1

Dredge } No. 5560 Date, Aug 18, 1909

Sdg. Mch. _____ Reel _____ Shot/Lead _____ lbs.

Turns _____ Cor'n _____ Depth 14 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time 2:15 } Air { Time 11:15 }

Density: Surf. _____ fms. _____

Wind: Direction S.E. Force 1-2

Baromet. _____ Amt. of Clouds 2 State of Sea _____

Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality Terminal Pt (Dk) 53° N; 176° W; 10 fms.

Position 54° 20' N 176° 10' W

Chart used: No. 4542 C.S. Ed'n _____

Drift: Direction S 20° E Distance .5

Depth of Haul Bottom

Apparatus and Rig used as before

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer Chas. Hays Recorder _____

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

4 01 30 4
4 03 45 4 12

(12) 1000
11 6

Dredge } No. 12 Date, July 1, 1901
Hydrog }

Sdg. Mch. *Reel* *Shot* } *Lbs.*
Lead }

Turns ----- 22 Cor'n ----- Depth ----- 10 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. $\left\{ \begin{array}{l} \text{Make} \\ \text{No.} \end{array} \right.$ Cor'n $\left\{ \begin{array}{l} \text{Instr.} \\ \text{Stem.} \end{array} \right.$

Bottom Reading

100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

 Cor'd Temp.

100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Temp. Surf.	Time	Air
	Time	

Density: Surf. fms.

Wind: Direction Force 0 - 1

Baromet. 29.50 Amt. of Clouds 94 State of Sea

Weather 1992: 200-201.

Direction and Force of Current. { Surface
{ Bottom

Tide

General Locality $22^{\circ} 52' N$; $106^{\circ} 34' W$; $22^{\circ} 52' N$; $106^{\circ} 34' W$.

Position $15^{\circ} 30' 40'' N$ $121^{\circ} 01' 40'' E$

Chart used: No. 4042 C 8 Ed'n

Drift: Direction _____ Distance _____

Depth of Haul Surface -----

Apparatus and Rig used / *Schiffman et al.* 1980

side while at

Time towing h. m.

Remarks: / / / / /

Deck Officer _____ Recorder _____

SOUNDING WIRE.			DREDGING CABLE.		
--- M. Down.	Up.	--- M.	FMS.	P M. Down.	Up. A M.
			0	18	Sept 19
			100	6 13 00	6 00 00
			200		
			300		
			400		
			500		
			600		
			700		
			800		
			900		
			1000		
			1100		
			1200		
			1300		
			1400		
			1500		
			1600		
			1700		
			1800		
			1900		
			2000		
			2100		
			2200		
			2300		
			2400		
			2500		
			2600		
			2700		
			2800		
			2900		
			3000		
			3100		
			3200		
			3300		
			3400		
			3500		
			3600		
			3700		
			3800		
			3900		
			4000		
			4100		
			4200		
			4300		
			4400		
			4500		
			4600		
			4700		
			4800		
			4900		

Dredge } No. Date,, 19

<i>Sdg. Mch.</i>	<i>Reel</i>	<i>Shot / Lead</i>	<i>Lbs.</i>
------------------	-------------	--------------------	-------------

Turns Cor'n Depth fms.

Sdg. Cup *Amt. Bot'm Sample*

Character of Bottom _____

Thermom. { Make
 { No.

Cor'n { Instr.
 { Stem.

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf.	Time	Air
	Time	

Density: Surf. fms.

Wind: Direction.. Force

Baromet. 29.82 Amt. of Clouds 2 State of Sea S

Weather Good

Direction and Force of Current. { Surface
{ Bottom

Title _____

General Locality

Position	1	2	3	4	5	6	7	8	9	10	11	12
----------	---	---	---	---	---	---	---	---	---	----	----	----

Chart used: No. 4 Ed'n

Drift: Direction *200°* Distance *1.0* *1*

Depth of Haul _____ Fathoms _____

Apparatus and Rig used 10. Antiferret

Time towing: _____ h. _____ m.

Remarks: / / / / /

Deck Officer - Hazard Recorder H. W. Chude

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
--- M. Down. Up. --- M.	--- M. Down. Up. --- M.			
129		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
	3000			
	3100			
	3200			
	3300			
	3400			
	3500			
	3600			
	3700			
	3800			
	3900			
	4000			
	4100			
	4200			
	4300			
	4400			
	4500			
	4600			
	4700			
	4800			
	4900			

✓

Dredge } No. _____ Date, _____, 19____
Hydrog. }
Sdg. Mch. _____ Reel _____ Shot _____ lbs.
Turns _____ Cor'n _____ Depth _____ fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ { Stem. _____
Bottom Reading _____ Cor'd Temp. _____
Temp. Surf. { _____ Time _____
 { _____ Time _____ Air { _____

Density: Surf. _____ fms. _____
Wind: Direction _____ Force _____
Baromet. _____ Amt. of Clouds _____ State of Sea _____
Weather _____

Direction and Force of Current { Surface _____
 { Bottom _____

Tide _____

General Locality _____ Town _____ Id. _____
 W. Davao Id. (S)

Position _____
Chart used: No. _____ Ed'n _____
Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

10 20 20 10 30 30
 25 40
 25 50
 25 35

0
 100
 200
 300
 400

10 20 20 10 30 30
 25 40
 25 50
 25 35
 25 35

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

11-1023

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. Up. A. M.

M. Down. Up. A. M.

11 21 30 11 26 30
 22 20 25 40
 23 10 25 00
 11 23 30 11 24 30

236 300

400

450

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

11 28 30 12 25 30
 32 25 24 30
 36 15 21 40
 39 30 18 45
 43 25 15 50
 11 45 20 12 13 55

135

S 40° W.

Dammi I (n) 885 M
 6.1

$$\begin{array}{r}
 1670 \\
 6 \\
 \hline
 528 \overline{) 10028} \quad (2 \\
 \underline{1056}
 \end{array}$$

$$120 - \frac{4}{120} \times 100 \frac{1}{3}$$

$$-120 - \frac{20}{240} \times 100$$

$$\begin{array}{r} 5 \overline{) 30} \\ 6 \end{array}$$

$$\begin{array}{r}
 12-73-55 \\
 11-45-20 \\
 \hline
 23-35
 \end{array}$$

$$\begin{array}{r}
 11-37-75 \\
 16-40 \\
 \hline
 20-35
 \end{array}$$